

What is claimed is:

1. A finger temperature detecting device comprising:
 - a carrier including a compartment defined therein;
 - a finger-attachment member extending from the carrier, the
 - 5 finger-attachment member being wearable on a finger of a wearer;
 - a seat extending from a perimeter of the carrier, the seat including an opening portion facing the finger of the wearer;
 - a temperature sensor mounted in the opening portion of the seat for detecting temperature of the finger of the wearer; and
 - 10 a circuit board mounted in the compartment of the carrier, the circuit board including a calculating unit electrically connected to the temperature sensor and a signaling means electrically connected to the calculating unit, the calculating unit sending a signal to activate the signaling means to inform the wearer when a temperature value detected by the temperature sensor is
 - 15 larger than the precedent reading. The seat extending from the perimeter of the carrier is the key point. It can correct the previous shortcomings in instrumentation.
2. The finger temperature detecting device as claimed in claim 1, wherein the finger-attachment member is elastomeric and has an end, a gap being defined
- 20 between the end of the finger-attachment member and the carrier.
3. The finger temperature detecting device as claimed in claim 1, wherein the temperature sensor is coated by a soft, non-toxic, and highly transcalent material.
4. The finger temperature detecting device as claimed in claim 1, wherein the
- 25 temperature sensor is a contact type sensor in contact with the finger of the

wearer when the finger temperature detecting device is worn on the finger of the wearer.

5. The finger temperature detecting device as claimed in claim 1, wherein the temperature sensor can be a non-contact infrared sensor.
- 5 6. The finger temperature detecting device as claimed in claim 1, further including a metal jacket mounted in the seat, a thermal insulating member being mounted to an end of the metal jacket, the temperature sensor being exposed via the end of the thermal insulating member, avoiding over-conduction of heat by the metal jacket.
- 10 7. The finger temperature detecting device as claimed in claim 1, further including a panel mounted to the carrier and sealing the compartment of the carrier, a plurality of functional buttons associated with the calculating unit being mounted on the panel.
8. The finger temperature detecting device as claimed in claim 1, further
15 including means for sending data relevant to detected finger temperature to a remote receiver.

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